

Computing: Key Stage 3 Grade Descriptors **Year 7**

Y7	Digital Literacy (General Use of Computers)	Information Technology (Use of computers to complete tasks)	Computer Science (Use of algorithmic and technical knowledge)
Emerging	<ul style="list-style-type: none"> I can log on to computer systems using credentials I can use the internet to find information I can make use of word processors and emails 	<ul style="list-style-type: none"> I can open and close applications like Word, PowerPoint, and Flowol with support I can enter basic text and follow simple instructions to complete a task I can identify what a flowchart is and recognise basic symbols like "start" and "output" I can save my work with help and understand that different programs are used for different tasks I can complete a task using a template or scaffold provided by the teacher 	<ul style="list-style-type: none"> I can understand basic computational thinking concepts when applied to scratch I can use a block-based programming language to create simple functions I can apply algorithmic concepts to Flowol
Developing	<ul style="list-style-type: none"> I can create and format common documents with word processing tools I can begin to compose professional emails I can use a search engine to find and relay information I can effectively use computer systems to complete tasks I am aware of possible threats to online systems 	<ul style="list-style-type: none"> I can create a simple document or presentation with text, images, and basic formatting I can use PowerPoint to present information using slides, titles, and bullet points I can use Word to write and format short pieces of text with headings and spacing I can build a basic flowchart in Flowol using outputs and simple sequences I can follow a task brief and complete steps in order using the correct software I can explain what an algorithm is and how it helps complete a task 	<ul style="list-style-type: none"> I can use computational thinking skills to assist in creating a solution to a problem I can use a block-based programming language to create functioning parts of a solution I can apply skills of block-based programming to a scenario as part of a larger solution I can implement basic solutions using inputs and outputs using Flowol
Meeting	<ul style="list-style-type: none"> I can create documents that are professional and effective in their purpose I can communicate ideas and create solutions to tasks using digital systems I can recognise online safety threats and counter them appropriately I am successful in using digital systems to various needs I can use the internet to research and relay key information as part of a solution 	<ul style="list-style-type: none"> I can create a well-structured document or presentation that meets a clear purpose I can use formatting tools (e.g. styles, tables, transitions, animations) to improve clarity and impact I can design and build a flowchart in Flowol that includes decisions and loops to solve a problem I can complete a multi-step task using appropriate software tools and features I can evaluate my work and make improvements based on feedback or task requirements I can explain the steps I took to complete a task and how the software helped me do it 	<ul style="list-style-type: none"> I can make good use of computational thinking skills such as decomposition, abstraction and algorithmic thinking to create a solution to a problem I can apply critical thinking to planning the creation of a game made with scratch I can use a programming language to create a solution to an algorithm (game) I can plan features of a game into logical sections I can use Flowol to create effective solutions to algorithmic problems
Exceeding	<ul style="list-style-type: none"> I can choose an appropriate digital tool to complete a task provided I can produce and communicate quality solutions to provided problems I can recognise online safety threats and guide myself and others to mitigating the impact of threats I can use the internet to support the creation of solutions in various contexts 	<ul style="list-style-type: none"> I can create professional-quality documents or presentations tailored to a specific audience or goal I can integrate advanced features (e.g. hyperlinks, embedded media, master slides, styles) to enhance my work I can design complex flowcharts in Flowol that solve real-world problems using inputs, outputs, loops, and decisions I can troubleshoot issues in my work and adapt my approach to improve outcomes I can choose the most suitable software for a task and justify my choice I can reflect on how algorithms and software tools help automate and improve task efficiency 	<ul style="list-style-type: none"> I can make effective use of computational thinking skills such as... <ul style="list-style-type: none"> Decomposition – to break down a provided problem into smaller problems to assist creating a solution Abstraction – to focus on the important sub-problems to make creating a solution more efficient Algorithmic Thinking – To use appropriate algorithms and critical thinking to produce an effective solution to a provided problem I can use the above skills and applied them to creating a game (program) in scratch with an appropriate range of features I can use a programming language to fulfil a planned solution to a set of problems I can use multiple Flowol mimics to implement algorithmic solutions to problems with use of effective ideas.

Computing: Key Stage 3 Grade Descriptors **Year 8**

Y8	Digital Literacy (General Use of Computers)	Information Technology (Use of computers to complete tasks)	Computer Science (Use of algorithmic and technical knowledge)
Emerging	<ul style="list-style-type: none"> • I can create and format common documents with word processing tools • I can begin to compose professional emails • I can use a search engine to find and relay information • I can effectively use computer systems to complete tasks • I am aware of possible threats to online systems 	<ul style="list-style-type: none"> • I can apply different excel skills expanded from previous work • I can use graphic design software to create graphics for given specification • I can understand how networks are used to implement connections across computer devices • 	<ul style="list-style-type: none"> • I can discuss how different types of files are stored in a computer system • I can use either bitmap software to create images • I can use the framework languages HTML to create a website mock-up •
Developing	<ul style="list-style-type: none"> • I can create and format common documents with word processing tools • I can compose professional emails • I can use a search engine to find and relay information • I can effectively use computer systems to complete tasks • I am aware of possible threats to online systems 	<ul style="list-style-type: none"> • I can use graphic design software to create effective graphics for various ideas with multiple iterations • I can understand how networks are part of devices connecting and specifics of how they work • 	<ul style="list-style-type: none"> • I can describe how computers stored different files such as text and images • I can use either bitmap or vector software to create images • I can use the framework languages HTML and CSS to create a website mock-up
Meeting	<ul style="list-style-type: none"> • I can create documents that are professional and effective in their purpose • I can communicate ideas and create solutions to tasks using digital systems • I can recognise online safety threats and counter them appropriately • I am successful in using digital systems to various needs • I can use the internet to research and relay key information as part of a solution 	<ul style="list-style-type: none"> • I can use graphic design software to create effective graphics for various ideas, making multiple iterations and using design concepts • I can understand how networks are used to implement connections between devices, considering different areas in that understanding 	<ul style="list-style-type: none"> • I can describe how computers stored different files such as text and images, as well as calculate their file size • I can use either bitmap or vector software to create images and identify the differences between them • I can use the framework languages HTML and CSS to create images with various elements, applying design principles
Exceeding	<ul style="list-style-type: none"> • I can choose an appropriate digital tool to complete a task provided • I can produce and communicate high quality solutions to provided problems • I can recognise online safety threats and guide myself and others to mitigating the impact of threats • I can use the internet to support the creation of solutions in various contexts 	<ul style="list-style-type: none"> • I can use graphic design software to create effective graphics for various ideas, applying important design concepts and evaluate the features of graphics • I can understand how networks are used to implement connections between devices, considering different areas in that understanding 	<ul style="list-style-type: none"> • I can describe how computers stored different files such as text and images, discussing what impacts a file size. • I can use either bitmap or vector software to create images and discuss the differences between the two • I can use the framework languages HTML and CSS to create images with various elements, applying good design principles to create a website

Computing: Key Stage 3 Grade Descriptors **Year 9**

Y9	Computer Science (CS)	Information Technology (IT)	Digital Literacy (DL)	Computational Thinking (CT)
Emerging	<ul style="list-style-type: none"> I can design user interfaces that are somewhat accessible I can develop apps with multiple screens with user interfaces I can present my app to an audience I can create an app including the majority of the features in emerging 	<ul style="list-style-type: none"> I can identify jobs in the media sector I can recognise examples of digital media products. I can make a very simple design using limited tools or features. I can identify a possible audience for my work with support. I can add basic text and images to a page. 	<ul style="list-style-type: none"> I can log on to computer systems using credentials I can use the internet to find information I can make use of word processors and emails 	<ul style="list-style-type: none"> I can use decomposition skills in breaking down problems I can abstract ideas which are part of a larger problem I can use pattern recognition to recognise repeated ideas I can use algorithmic thinking as part of creating a solution
Developing	<ul style="list-style-type: none"> I can design user interfaces that are consistent, accessible I can develop apps with multiple screens and features I can present my app or media product to an audience I can create an app including the majority of the features up to and including developing 	<ul style="list-style-type: none"> I can describe industry job roles in the media sector I can identify different types of digital media and give simple examples of their purpose. I can create a simple plan for my project with limited detail on tasks or timings. I can create a basic digital graphic showing some use of design tools and principles. I can give a brief explanation of who my product is for. 	<ul style="list-style-type: none"> I can create and format common documents with word processing tools I can begin to compose professional emails I can use a search engine to find and relay information I can effectively use computer systems to complete tasks I am aware of possible threats to online systems 	<ul style="list-style-type: none"> I can use decomposition skills in breaking down problems in taking a problem and creation a solution I can abstract ideas which are part of a larger problem and make use of the ideas I can use pattern recognition to recognise repeated ideas in design and use them I can use algorithmic thinking in the practice of creating a solution to follow an order of steps
Meeting	<ul style="list-style-type: none"> I can design user interfaces that are consistent, accessible I can develop apps with multiple screens and features that implement basic features I can present my app or media product confidently, explaining how it meets client requirements I can create an app including the majority of the features up to and including meeting 	<ul style="list-style-type: none"> I can describe industry job roles in the media sector I can explain the purpose of different digital media products and identify their target audiences. I can produce a basic Gantt chart showing key tasks and resources. I can create a digital graphic that meets most client requirements using appropriate design principles. I can describe how my design meets its purpose and audience needs. 	<ul style="list-style-type: none"> I can create documents that are professional and effective in their purpose I can communicate ideas and create solutions to tasks using digital systems I can recognise online safety threats and counter them appropriately I am successful in using digital systems to various needs I can use the internet to research and relay key information as part of a solution 	<ul style="list-style-type: none"> I can use decomposition skills in breaking down problems in taking a problem and creation a solution which caters towards client briefs I can abstract ideas which are part of a larger problem and make use of the ideas towards a solution I can use pattern recognition to recognise repeated ideas in design and implementation to increase efficiency I can use algorithmic thinking in the practice of creating a solution to follow an order of steps to meet any requirements provided to me
Exceeding	<ul style="list-style-type: none"> I can design user interfaces that are consistent, accessible, and well-matched to a target audience and requirements. I can develop apps with multiple screens and features that go beyond the basic requirements of the project. I can present my app or media product confidently, explaining how it meets client requirements and user needs. I can create an app including the majority of the features up to and including exceeding 	<ul style="list-style-type: none"> I can describe industry job roles in the media sector and explain how they link together in a project. I can explain what digital media is and give real-world examples of its purposes, audiences, and products. I can create a detailed Gantt chart that clearly shows tasks, timings, and dependencies for a project. I can demonstrate use of advanced graphic design tools to create a graphic for a given purpose. I am able to articulate what a target audience is and have shown a deep understanding of audience segmentation. 	<ul style="list-style-type: none"> I can choose an appropriate digital tool to complete a task provided I can produce and communicate quality solutions to provided problems I can recognise online safety threats and guide myself and others to mitigating the impact of threats I can use the internet to support the creation of solutions in various contexts 	<ul style="list-style-type: none"> I can use decomposition skills in breaking down problems in taking a problem and creation an appropriate solution which caters towards client briefs and requirements I can abstract ideas which are part of a larger problem and make effective use of the important ideas to make a solution with refined ideas I can use pattern recognition to recognise repeated ideas in design and implementation to increase efficiency of production of a solution based on provided requirements I can use algorithmic thinking in the practice of creating a solution to follow a logical order of steps to meet any requirements provided to me